

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Yu et al.

Art Unit: To Be Assigned

Application No.: To Be Assigned

Examiner: To Be Assigned

Filed: February 12, 2004

For: Colon Specific Genes and Proteins

INFORMATION DISCLOSURE STATEMENT

MS Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure imposed by 37 CFR § 1.56, to inform the Patent and Trademark Office of all references coming to the attention of each individual associated with the filing or prosecution of the subject application, which are or may be material to the patentability of a claim of the subject application, Applicants hereby direct the Examiner's attention to references AA-AV listed on the attached Form PTO/SB/08.

Copies of references AA-AV were submitted by Applicants or cited by the Examiner in connection with U.S. Patent Applications Serial Nos. 09/988,292, filed November 19, 2001, 09/224,110, filed March 31, 1998, and 08/469,667, filed June 6, 1995, to which the instant application claims priority under 35 U.S.C. § 120. Pursuant to 37 C.F.R. § 1.98(d), the Examiner is respectfully directed to the file of U.S. Patent Applications Serial Nos. 09/988,292, 09/224,100 and 08/469,667 for copies of references AA-AV.

As previously noted, the relevancy of reference AE to the instant application can be found in the sequences appearing at pages 60-113 of the Japanese language document.

Applicants also note that reference AG is in the Japanese language. Applicants refer the Examiner to reference AJ, a GenSeq abstract of reference AG, for a concise explanation of the relevance of reference AG, in accordance with 37 C.F.R. § 1.98(a)(3)(i).

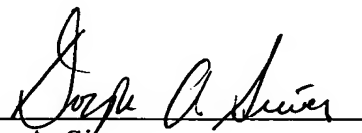
The listed references are presented so that the Patent and Trademark Office can determine any materiality thereof to the claimed invention. See 37 C.F.R. § 1.104(a) concerning the Examiner's duty to consider and use any such information. Applicants respectfully request that the Examiner make the listed references of record in the file history of the application and consider the information contained therein during the prosecution of this application.

Identification of the listed references is not to be construed an admission of any individual associated with the filing or prosecution of the subject application that such references are available as "prior art" against the subject application. Furthermore, Applicants do not waive any rights to appropriate action to establish patentability over any of the listed documents should they be applied as references against the claims of the subject application.

Pursuant to 37 C.F.R. § 1.97(b), this Information Disclosure Statement is being filed concurrently with the filing of the instant application; accordingly, no fee is believed due. Should the Patent Office determine otherwise, please charge the required fee to our Deposit Account No. 08-3425. A duplicate copy of this paper is enclosed.

Dated: 2/12/2004

Respectfully submitted,

By 
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INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (use as many sheets as necessary)				Complete If Known	
				Filing Date	February 12, 2004
				First Named Inventor	Yu et al.
				Group Art Unit	To Be Assigned
				Examiner Name	To Be Assigned
Sheet	1	of	2	Attorney Docket Number	PF160D3

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. Patent Document Kind Code ² (if known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	09/912,292		ROSEN, et al.	NOT PUBLISHED	pp. 1-75 (pp. 1 & 2 partially redacted); portion of Table 2; and SEQ ID NOS:7343, 7345, 7350, 7352, 7370, 18786, 20998, 23047, and 43554
	AB	5,714,350		CO, et al.	02-98	
	AC	5,766,856		IMANI, et al.	06-98	

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	AD		WO92/14837		THE GENERAL HOSPITAL CORP.	09-03-92		
	AE		WO95/27057		CHUGAI SEIYAKU KABUSHIKI KAISHA	10-12-95		
	AF		WO96/06861		NOVO NORDISK A/S	03-07-96		
	AG		WO97/03190		SAGAMI CHEMICAL RESEARCH CENTER	01-30-97	(See reference AE)	

OTHER REFERENCES - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶	
	AH	CHIU et al., "An Adherens Junction Protein Is a Member of the Family of Lactose-binding Lectins," <i>J. Biol. Chem.</i> , 269(50):31770-31776 (1994)		
	AI	GenBank Accession No. Q02817, GUM et al., "Mucin 2 Precursor (Intestinal Mucin 2) (10-01-00)		
	AJ	Geneseq Accession No. W11841, KAMATA et al., "Human Galectin-4-like protein," (01-20-97)		
	AK	GUM et al., "Molecular Cloning of Human Intestinal Mucin (<i>MUC2</i>) cDNA," <i>J. Biol. Chem.</i> , 269(4):2440-2446 (01-28-94)		
	AL	GUM et al., "The Human <i>MUC2</i> Intestinal Mucin Has Cysteine-rich Subdomains Located Both Upstream and Downstream in its Central Repetitive Region," <i>J. Biol. Chem.</i> , 267(30):21375-21383 (10-25-92)		
	AM	HAUSER et al., "hP1.B, a human P-domain peptide homologous with rat intestinal trefoil factor, is expressed also in the ulcer-associated cell lineage and the uterus," <i>PNAS (USA)</i> 90:6961-6965 (8-1-93)		
	AN	LOWE et al., "Structure and methylation patterns of the gene encoding human carbonic anhydrase I," <i>J. Biol. Chem.</i> , 267:21375-21383 (9-14-90)		

Examiner	Date Considered
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIP Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (use as many sheets as necessary)				Complete If Known	
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				Filing Date	February 12, 2004
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Sheet	2	PF160 D2	2	Attorney Docket Number	PF160D3

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OTHER REFERENCES - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	AO	MORENO et al., "Detection of Hematogenous Micrometastasis in Patients with Prostate Cancer," Advances in Brief, TJU, 1025 Walnut Street, Suite 1112, Philadelphia, PA, pp. 6110-6112 (11-1-92)	
	AP	ODA et al., "Soluble Lactose-binding Lectin from Rat Intestine with Two Different Carbohydrate- binding Domains in the Same Peptide Chain," <i>J. Biol. Chem.</i> , 268:5929-5939 (03-10-93)	
	AQ	PAPADOPOULOS, et al., "Mutation of a <i>mutL</i> Homolog in Hereditary Colon Cancer," <i>Science</i> , 263:1625-1629 (03-18-94)	
	AR	RECHRECHE, et al., "Cloning and Expression of the mRNA of Human Galectin-4, an S-type Lectin Down-regulated in Colorectal Cancer," <i>Eur. J. Biochem.</i> , 248:225-230 (August 15, 1997)	
	AS	Swiss-prof32 database, Accession No. Q0786, GUM et al., (06-01-1994)	
	AT	TARDY et al., "Purification and characterization of the N-terminal domain of galectin-4 from rat small intestine," <i>FEBS Lett.</i> , 359(2-3):169-172 (1995)	
	AU	TORIBARA et al., "MUC-2 Human Small Intestinal Mucin Gene Structure," <i>J. Clin. Invest.</i> , 88(3):1005-1013 (09-91)	
	AV	XU, et al., "cDNA for the Carboxyl-terminal Region of a Rat Intestinal Mucin-like Peptide," <i>J.</i> <i>Biol. Chem.</i> , 267(8):5401-5407 (March 15, 1992)	

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